PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file re 030805PCT	ference	FOR FURTHER A	CTION	See Form PCT/IPEA/416					
International application No).	International filing date (day/month/year)		Priority date (day/month/year)					
**		28.09.200	•	03.10.2003					
International Patent Classification (IPC) or national classification and IPC G11B7/0045, G11B7/125									
Applicant PIONEER CORPORATION									
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 									
2. This REPORT consists of a total of sheets, including this cover sheet.									
3. This report is also	accompanied by A	NNEXES, comprising:							
a. (sent t	o the applicant and	l to the International Bu	reau) a total of	sheets, as follows:					
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.									
b. [(sent t	o me mernanonal	zarcian omyj a totat of							
containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
4. This report contai	ns indications relat	ing to the following iter	ms:						
Box No. I	Basis of the	e report							
Box No. I	I Priority								
Box No. I	II Non-establ	ishment of opinion with	h regard to novelty, inventive step and industrial applicability						
Box No. I		ity of invention							
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement									
Box No.	VI Certain doo	cuments cited							
Box No. VII Certain defects in the international application									
Box No. VIII Certain observations on the international application									
Date of submission of the demand			Date of completion of the	is report					
Name and mailing address of the IPEA/JP			Authorized officer						
			Telephone No.						

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/014151

Box	No. I	I Basis of the report						
1.		ith regard to the language, this report is based on the international appli licated under this item.	cation in the language in which it was filed, unless otherwise					
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:							
		international search (Rule 12.3 and 23.1(b))						
		publication of the international application (Rule 12.4)						
		international preliminary examination (Rule 55.2 and/or 55.3)						
2.	With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished							
		the description:						
		pages 1-30	as originally filed/furnished					
			ed by this Authority on					
	\boxtimes	7						
		a the country.	as originally filed/furnished					
			as amended (together with any statement) under Article 19					
			ed by this Authority on 28.04.2005					
			ed by this Authority on					
	\boxtimes	the drawings:	· · · · · · · · · · · · · · · · · · ·					
		sheets 1/10-10/10	as originally filed/furnished					
		sheets* receiv	red by this Authority on					
		sheets* receiv	red by this Authority on					
		a sequence listing and/or any related table(s) - see Supplemental Be	ox Relating to Sequence Listing.					
3.	\boxtimes	The amendments have resulted in the cancellation of:						
		the description, pages						
		the claims, nos5						
		the drawings, sheets/figs						
		the sequence listing (specify):						
		any table(s) related to sequence listing (specify):						
4.		This report has been established as if (some of) the amendments a they have been considered to go beyond the disclosure as filed, as it	annexed to this report and listed below had not been made, since indicated in the Supplemental Box (Rule 70.2(c)).					
		the description, pages						
		the claims, nos.						
		the drawings, sheets/figs						
		the sequence listing (specify):						
		any table(s) related to sequence listing (specify):						
<u> </u>	* If item 4 applies, some or all of those sheets may be marked "superseded."							

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/014151

		nt under Article 35(2) with regard to novelty, inventive step or industrial applicability; anations supporting such statement				
1.	Statement					
	Novelty (N)	Claims	1-4,	6-15	_ YES
			Claims			_ NO
	Inventive	step (IS)	Claims	1-4,	6-15	YES
			Claims	-		_ NO
	Industrial	applicability (IA)	Claims	1-4,	6-15	_ YES
			Claims			_ NO

- 2. Citations and explanations (Rule 70.7)
 - Document 1: JP 2002-208139 A (Ricoh Co., Ltd.), 26 July 2002, entire text and fig. 1 to 12
 - Document 2: JP 10-283656 A (Sony Corp.), 23 October 1998, entire text and fig. 1 to 15
 - Document 3: JP 2000-504467 A (Koninklijke Philips Electronics N.V.), 11 April 2000, entire text and fig. 1 to 5
 - Document 4: JP 2002-373421 A (Teac Corp.), 26 December 2002, entire text and fig. 1 to 9

The inventions set forth in claims 1 to 4 and 6 to 15 are not disclosed in any of the documents that are cited in the international search report, and would not have been obvious to a person skilled in the art.